

Geoff Camp
400 Waterloo Ave.
Guelph, ON, N1H 7H9
gcamp@mail.uoguelph.ca
226-203-4809

Education

Bachelor of Computing, Software Engineering

2014 - Present

- University of Guelph. Guelph, ON

Bachelor of Engineering, Biological Engineering

2009 - 2013

- University of Guelph. Guelph, ON

Ontario Secondary School Diploma

2005 - 2009

- Owen Sound Collegiate and Vocational Institute. Owen Sound, ON
- Honour Student - accumulated average above 80% in grades 9 through 12.
- 4UI Science award - highest cumulative average in three university level science courses.

Skills

Programming

- Experience using web development languages PHP, JavaScript (including JQuery and AJAX), CSS, and HTML5. All languages were implemented while developing websites for freelance clients and web applications. The projects are outlined in the “Published Projects” section below.
- Introduced to object oriented programming. Completed an android application using Java in the Android Studio IDE; which is further discussed below. Examples of completed C++ programs can be found at <https://github.com/geoffCamp>. Completed C++ programs include a circuit resistance calculator and a rudimentary key logger.
- Took advantage of an opportunity to code a small JavaScript project used in the Quality department of Canadian Solar Inc. By converting excel data into an SQL searchable csv format, the program ended up reducing the required work hours by more than 50% and will be used for future projects of the same nature.
- Exposed to other technologies and languages such as git, C, Python, and Perl. These technologies were investigated and implemented during a number of software engineering assignments at the University of Guelph.

Problem Solving

- Under the guidance of an industrial engineer with 35 years’ experience, aided in solving numerous quality optimization issues at Canadian Solar Inc. in Guelph. The process used to solve these issues involved gathering data, data analyses, and recommending corrective actions to the manufacturing engineering department.
- Successfully completed numerous problems based courses while attending the University of Guelph, while enrolled in the Biological Engineering program. Problems ranged from mathematical and physical systems analysis to practical system implementation issues requiring brainstorming, data analyses, and team discussion.
- Used multi-step algorithm design to solve logic and functionality problems while developing object oriented programs and web applications.

Communication and Teamwork

- While working to solve quality issues at Canadian Solar, findings and recommendations had to be presented to other departments to further progress projects. This was done through email, written reports, and oral presentations; on one occasion presenting to the General Manager of Canadian Manufacturing and his associates.
- Solved quality issues at Canadian Solar with the help of many departments, all working as a team. The production and engineering departments were consulted and participated in almost every quality improvement project. Often, the quality department would identify and initiate a project, consult the production crew on ideal solutions, and then advise and aid engineering in implementing solutions.
- Completed many group projects at the University of Guelph. The projects required oral and written communication between group members and group advisors including professors and teaching assistants.

Published Projects

Mapgic

- The photo mapping application Mapgic can be found at www.mapgic.pw. This web application allows users to create an account and upload photos which are displayed on a map representing where they were taken.
- Mapgic implements a number of technologies including HTML, CSS, PHP, JavaScript, and MySQL databases. The Facebook API as well as the Open Street Map API are also integrated into the web app.

WeatherWare

- The completed Android application “WeatherWare” can be found on the Google Play store at <https://play.google.com/store/apps/details?id=com.geofferson.what2wear&hl=en>.
- WeatherWare takes in user location information and uses it to asynchronously query the Open Weather Map API. WeatherWare then implements an algorithm to handle the returned JSON data, calculate what the temperature feels like, and decide which clothes will maximise comfort while outdoors.

Experience

- Quality Technician at Canadian Solar Solutions Inc. *May 2014 – August 2014*
Guelph, ON
- Production Operator at Canadian Solar Solutions Inc. *February 2014 – April 2014*
Guelph, ON
- Freelance Website Designer *April 2013 – Present*
Guelph, ON
- Window Maker at Performance Plus Windows and Doors *April – May, 2010 and 2011*
Owen Sound, ON